M. A. R. 57 (Rule 116)

Measurement Book

No. B

BR-688
28.01.2017

Name of Work ... Providing and improvements to road & drains at Nisarga Layout in ward no-12 ... 490540

From ... To ...

Name of Sub-Division ... Puttaraju. A ... Tci - 012-16-000008

Name or nature of Agency ...

Measurement of work ... NOEE/DD/WO/A2/15-16 Dt-24/3/16. Est.cost:- 17.0 lakhs.

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
1	3	4	5	6	7	8
Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.50m excavated surface levelled & sides neatly dressed complete as per specifications. By vide Pg no 490550/1 of this M.B.					1460.10cum @ 83=00 Rs.- 121188=00	
Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.50m excavated surface. sides neatly dressed the disposed earth to levelled neatly complete as per specifications.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide pg no. 490550/2 of this M.B.				@	28.80 cum 115:00 Rs/- 3312=00	
I-3.	Providing and laying in position plain cement concrete of mix 1:4:8 with opc cement @ 180 kgs with 40mm down size graded granite metal coarse aggregates @ 0.86 cum and fine aggregate @ 0.58 cum, machine mixed concrete laid in layers not exceeding 15 cm thick well compacted on foundation and plinth cost of all materials labour, Hire of machinery curing complete as per specification						
	Qty vide pg no. 490550/2 of this M.B.				@	3.60 cum 5070=00 Rs/- 18252	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

490541

..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
providing and laying in position Plain cement concrete 1:2:4 with cement @ 240 kg with 20mm & down size graded granite metal coarse aggregates @ 0.8 cum & fine aggregate @ 0.45 cum machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation plinth & cills including cost of all materials labour HOM of machinery & curing complete as per specification. Big wide pg no. 490551/2 of this M.B.					12.96cum @ 5404=00 Rs. 70036=00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refe to Measu
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
I-5.	providing & laying Cement Concrete using 20mm & down size granite jelly of ready mixed concrete (RMC) for R.C.C. works laid in 15cms thick layers & well compacted vibrating curing finishing with necessary cement mortar form work & scaffolding to with stand pumping of concrete with all lead & lifts etc., complete RMC M-20 (1:1.5:3) for raft foundation column footing main & secondary beams						
		1	× 12.0	× 1.80	× 0.23	= 4.97	
						@ 6332.00	
						Rs. 31450	
I-6	providing Steel reinforcement for R.C.C. work						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

490542

From..... To.....

Name of Contractor of nature of Agency .....

Date of Commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Cutting straightening cutting bending hooking placing in position lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members necessary complete as per specifications. Vide pg no. A 90551/2 of this M. B.					8.29 @ 6488=00 Rs- 53786=00	
Providing and removing centering shuttering strutting propping etc; and removal of form work for vertical surfaces such as walls at any thickness including attached pilasters, buttresses plinth & string courses Cost of all materials						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refere to la Measur
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cry vide pg no. 490552/1 of this M. B.					21.60 Sqm	
						@ 306=00	
						Rs: 6610=00	
I-8.	providing laying spreading & comparting stone aggregate of specific sizes to water bound macadam specifications including spreading in uniform thickness hand packing rolling with 3 wheeled steel / vibratory roller 8-10 tonnes in stages to proper grade & camber applying & brooming requisite type of aggregate complete as per specification by manual means MoRTH No 404 Type A 13.2 mm for grading 1/						
	Cry vide pg no. 490553/1 of this M. B.					453.75 Cum	
						@ 1550=00	
						Rs: 703313=0	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

490543

..... From..... To.....

Work .....

Contractor of nature of Agency .....

Commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
providing laying in accordance of specific specifications hand packing Rolling 8-10 tonnes applying & brooming binding material required density including all lead	Spreading and compacting stone sizes to water bound macadam including spreading in uniform thickness rolling with 3 wheeled steel / vibratory in stages to proper grade & camber requisite type of screening to fill up the interstices of coarse complete as per MORTH 404 Type B 11.2 cum					
	1 Cross Road 1	30.0	$\frac{59+5.5}{2}$ Avg.	×0.075	= 12.83 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refere to las Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross Road	1	30.0	$\frac{5.5+5.5}{2}$	0.075	= 12.38 cum	
		1	30.0	$\frac{5.5+5.5}{2}$	0.075	= 12.38 cum	
		1	~~30.0~~ 28.0	$\frac{5.5+5.5}{2}$	0.075	= 11.55 cum	
		1	30.0	$\frac{6.0+4.7}{2}$	0.075	= 12.04 cum	
		1	30.0	$\frac{4.7+4.9}{2}$	0.075	= 10.80 cum	
		1	30.0	$\frac{4.9+4.7}{2}$	0.075	= 10.80 cum	
		1	30.0	$\frac{4.7+4.75}{2}$	0.075	= 10.63 cum	
		1	30.0	$\frac{4.75+4.70}{2}$	0.075	= 10.63 cum	
		1	30.0	$\frac{4.7+4.9}{2}$	0.075	= 10.80 cum	
		1	30.0	$\frac{4.9+4.75}{2}$	0.075	= 10.86 cum	

CR

E.E. (D.D

M. A. R. 57 (Rule 116)
Measurement Book

No. B

490544

..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Cross Road 3	1	30.0	$\frac{4.75+5.5}{2}$	0.075	= 10.86 cum	
	1	8.0	$\frac{5.5+5.5}{2}$	0.075	= 3.30 cum	
	1	30.0	$\frac{6.0+6.2}{2}$	0.075	= 13.73 cum	
	1	30.0	$\frac{6.2+5.7}{2}$	0.075	= 13.39 cum	
	1	30.0	$\frac{5.7+5.6}{2}$	0.075	= 12.71 cum	
	1	30.0	$\frac{5.6+4.9}{2}$	0.075	= 11.81 cum	
	1	30.0	$\frac{4.9+5.7}{2}$	0.075	= 11.93 cum	
	1	30.0	$\frac{5.7+5.2}{2}$	0.075	= 12.26 cum	
	1	30.0	$\frac{5.2+5.6}{2}$	0.075	= 12.15 cum	

E.E. (D.D.)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refere to la Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1 ×	9.50 ×	$\frac{5.675+4}{2}$ ×	0.075 =	3.92 cum	CPE
						231.73 cum	
			Qty	Ltd to		226.88 cum	
						@ 1600.00	E.E. (B.D
						Rs 363008-0	
I-10	carriage of mixed materials 10 kms etc complete.						
	And as per the direction of the Engineer.						
	Qty vide item no (8)+(9)					680.63 cum	
						@ 80.20	
						Rs 54587-0	
I-11	Disposal of debris to the final place of disposal						
	With all leads & lift and as direction by the						
	engineer incharge					1459.0 cum	
	Qty vide item no (1)+(2)					@ 72.00	
						Rs 105048-0	

Cld & Pd
28/3/2017

M. A. R. 57 (Rule 116)
Measurement Book

No. B

490545

..... From..... To.....

Name of Contractor of nature of Agency .....

Name of work .....

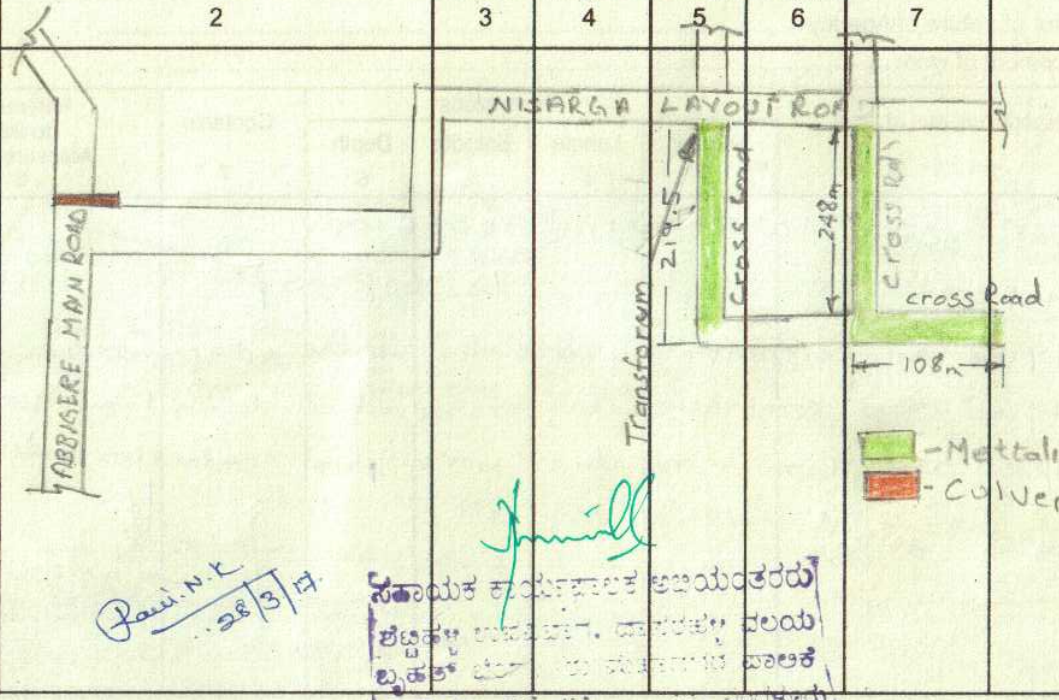
Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
	3	4	5	6	7	8
28/3/17 Total Amount = 153059 6 = 00						
					1530608=00	
Certified that contractor has done the work satisfactory.						
Certified that contractor has removed all debris from work spot.						
Certified that there is no dues work from contractor side.						
28/3/17						

28/3/2017

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refere to la Measur
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Ravi.N.L
28/3/17

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ಮಾಗಡಿ, ಮಲಯ
ಬೃಹತ್ ಬೆಂಗ [illegible] ಜಲಮಂಡಳಿ ಬಾಲಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ಮಾಗಡಿ-೫೬೦೦೬೦

M. A. R. 57 (Rule 116)
Measurement Book

No. B

490546

..... From..... To.....

...ture of Agency .....

...mmencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8

Audited and admitted for Rs. 1530608=00

Passed by Cheque for Rs. 141808=00

(.....

.....

by adj... 112500=00

Accounts Superintendent

Exe. Engineer

...M.P. Dasarahalli Division